

# [METHOD OF INTER-FRAME Y/C SEPER- ATION]

## Abstract

The present invention discloses a method of inter-frame Y/C separation. The method first samples a composite video signal for temporarily storing a plurality of sampled data  $F_m P_{x,y}$ , wherein the  $F_m P_{x,y}$  represents data of the y pixel at the x line of the m frame, and the m, x and y are integers larger than, or equal to, 0. Then the method measures a plurality of luma data  $Y_{x,y}$  by the  $F_{m+1} P_{x,y}$ , the  $F_m P_{x,y}$ , the  $F_{m-1} P_{x,y}$  and the  $F_{m-2} P_{x,y}$ , wherein  $Y_{x,y}$  represents luma data of the y pixel of the x line. Finally, the method measures a plurality of chroma data  $C_{x,y}$  by the  $F_{m+1} P_{x,y}$ , the  $F_m P_{x,y}$ , the  $F_{m-1} P_{x,y}$  and the  $F_{m-2} P_{x,y}$ , wherein  $C_{x,y}$  represents luma data of the y pixel of the x line.